

Chapter 2 The Chemistry of Life

Section Review 2-1

Reviewing Key Concepts

Completion *On the lines provided, complete the following sentences.*

- The nucleus, the center of the atom, is made up of _____ and _____.
- The negatively charged particles in atoms are called _____.
- Different isotopes of the same element have different numbers of _____.
- Isotopes of the same element have the same chemical properties because they have the same number of _____.
- In a(an) _____ bond, electrons are transferred from one atom to another.

Short Answer *On the lines provided, answer the following questions.*

- Describe the two main types of chemical bonds that are found in compounds.

- Explain how an atom becomes an ion.

Reviewing Key Skills

- Comparing and Contrasting** What are the similarities and differences between electrons and protons?

- Applying Concepts** What is the relationship between atoms and molecules?

- Inferring** What property of radioactive isotopes allows them to be used to determine the age of rocks and fossils?
